

CERES Requirements Log - Instantaneous SARB and Synoptic SARB

Reqm'ts No.	Requirement	SCCR	Provider	Responsible Subsystem	Responsible Person	How was it conveyed?	When was it received?	When was it Accepted?	When was it completed?	Current Status
5-1.0	Prepare Instantaneous SARB for Aqua Edition2A processing	597	Tom Charlock	Instantaneous SARB	Lisa Coleman	Email	07/28/05	07/28/05	01/19/06	Delivery released to ASDC
5-1.1	Correct surface albedo retrieval for instances of MATCH values less than 0.0001	597	Fred Rose	Instantaneous SARB	Scott Zentz	Email	08/03/05	08/03/05	09/08/05	Implementation verified by ST
5-1.2	Modify definition of surface albedo over cloudy-sky coast to use the SAH cloudy land albedo value for ocean coverage of less than 1%	597	Fred Rose	Instantaneous SARB	Scott Zentz	Email	08/03/05	08/03/05	09/08/05	Implementation verified by ST
5-1.3	Modify definition of surface albedo for clear-sky coast to use Z. Jin's ocean LUT value	597	Fred Rose	Instantaneous SARB	Scott Zentz	Email	08/03/05	08/03/05	09/08/05	Implementation verified by ST
5-1.4	Modify cloudy sky over snow surface albedo retrieval to include a more complex LUT	597	Fred Rose	Instantaneous SARB	Scott Zentz	Email	07/14/05	07/14/05	09/08/05	Implementation verified by ST
5-1.5	Correct the direct/diffuse definition for ice clouds	597	Fred Rose	Instantaneous SARB	Scott Zentz	Email	07/13/05	07/13/05	09/08/05	Implementation verified by ST
5-1.6	Incorporate Fred's SARB cookie cutter H2O map for coast determination	597	Tom Charlock	Instantaneous SARB	Scott Zentz	Email	07/28/05	07/28/05	08/08/05	Requirement removed after implementation - deemed unnecessary by ST
5-1.7	Correct problem encountered during manual setup of operational runs regarding the availability of necessary input files	597	ASDC	Instantaneous SARB	Tom Caldwell	Email	09/02/05	09/02/05	10/21/05	Suggestion sent to ASDC
5.1-8	Modify Monthly QC Summary Pre-Processor to include new parameters added to the Main-Processor QC Report	597	Tom Charlock	Instantaneous SARB	Scott Zentz	Email	04/20/05	04/20/05	10/07/05	Implementation verified by ST
5-2.0	Prepare SARBlib for inclusion in Instantaneous SARB delivery for Aqua Edition2A and also used for next Synoptic SARB delivery	597	Tom Charlock	SARBlib	Scott Zentz	Email	07/14/05	06/30/95	01/19/06	Delivery released to ASDC
5-2.1	Modify the definition of PAR to include Wenying Su's spectral weighting factors	597	Fred Rose	SARBlib	Scott Zentz	Email	07/25/05	07/25/05	09/08/05	Implementation verified by ST
5-2.2	Add Fred's ASSALUT software	597	Fred Rose	SARBlib	Scott Zentz	Email	07/14/05	07/14/05	09/08/05	Implementation verified by ST
5-2.3	Include time varying trace gas concentrations for CO2, CH4, and N2O	597	Fred Rose	SARBlib	Scott Zentz	Email	07/25/05	07/25/05	09/08/05	Implementation verified by ST

CERES Requirements Log - Instantaneous SARB and Synoptic SARB

Reqm'ts No.	Requirement	SCCR	Provider	Responsible Subsystem	Responsible Person	How was it conveyed?	When was it received?	When was it Accepted?	When was it completed?	Current Status
5-2.4	Modify QC report to include new statistics requested by SARB Working Group	597	Tom Charlock	SARBLib	Scott Zentz	Email	04/20/05	04/20/05	10/07/05	Implementation verified by ST
5-3.0	Make any necessary modifications to SARBLib to enable OpenSource environment processing	597	Mike Little	SARBLib	Tom Caldwell, Scott Zentz	DMT meeting	04/20/05	04/20/05	11/30/05	Initial tests indicate success
5-4.0	Make any necessary modifications to Instantaneous SARB Subsystem to enable OpenSource environment processing	597	Mike Little	Instantaneous SARB	Tom Caldwell, Scott Zentz	DMT meeting	04/20/05	04/20/05	11/30/05	Initial tests indicate success
5-5.0	Prepare for Edition3 delivery	622	Bruce W.	SARBLib and Instantaneous SARB	Tom Caldwell, Scott Zentz	CERES Team mtg	09/25/05	09/25/05		No delivery date set. Many requirements still to be defined.
5-5.1	Incorporate new FuLiou model supplied by Science Team	622	Fred Rose	SARBLib	Scott Zentz	Email	01/10/06	01/10/06		Implementation in progress
5-5.2	Incorporate new, contributed software for the surface spectral optical properties	622	Fred Rose	SARBLib	Scott Zentz	Email	01/26/06	01/26/06	01/26/06	
5-5.3	Add new parameters to CRS structure: Surface UV; Broadband all-sky SW flux; Broadband all-sky radiance; SW flux - pristine - surface - COART; and SW flux - pristine - TOA-COART	622	Tom Charlock	SARBLib and Instantaneous SARB	Scott Zentz	Email	02/08/06	02/08/06		Implementation in progress
5-6.0	Modify SARB Surface Albedo Pre-Processor (5.0P1) to use older albedo retrieval code for Terra Edition2B data runs.	626	Fred Rose	SARBLib and Instantaneous SARB	Tom Caldwell	Email	04/28/06	04/28/06	06/05/06	Delivered
7.2-1.0	Prepare Synoptic SARB for Terra Beta3/TRMM Beta4 delivery	634	Tom Charlock	Synoptic SARB	Lisa Coleman	Email	07/13/05	07/13/05	09/07/06	Delivered
7.2-1.1	Replace data statement from Syn_Spectral_Dat.f90 to include 7 updated spectral albedo curves with associated In (nir/vis) values	634	Dave Rutan	Synoptic SARB	Scott Zentz	Email	07/13/05	07/13/05	09/05/06	Completed
7.2-1.2	Add new parameters to SYN1 product	623	Tom Charlock	Synoptic SARB	Scott Zentz, Tom Caldwell	Email	07/19/05	07/19/05	08/25/06	Completed

CERES Requirements Log - Instantaneous SARB and Synoptic SARB

Reqm'ts No.	Requirement	SCCR	Provider	Responsible Subsystem	Responsible Person	How was it conveyed?	When was it received?	When was it Accepted?	When was it completed?	Current Status
7.2-1.3	Make any necessary modifications to Synoptic SARB Subsystem to enable OpenSource environment processing	634	Mike Little	Synoptic SARB	Scott Zentz	DMT meeting	04/20/05	04/20/05	10/07/05	Delivered
7.2-1.4	Add new parameters to the SYNI for Total ozone amount and source of ozone data.	634	Tom Charlock	Synoptic SARB	Scott Zentz	Email	02/08/06	02/08/06	09/01/06	Completed
7.2-1.5	Implement use of aerosol hierarchy in similar manner as CRS. Use new aerosol parameters from TSI.	634	Fred Rose	Synoptic SARB	Tom Caldwell	Email	04/04/06	04/04/06	08/25/06	Completed
7.2-1.6	Modify code to use 3-hourly MOA skin temperature values instead of 6-hourly values.	634	Fred Rose	Synoptic SARB	Tom Caldwell	Email	04/04/06	04/04/06	08/10/06	Completed
7.2-1.7	Implement corrections and updates to code as directed by subsystem science testing.	634	Fred Rose	Synoptic SARB	Tom Caldwell	Email	06/20/06	06/20/06	08/25/06	Completed
7.2-1.8	Modify aerosol decode routine in sarb_params module to handle default input values.	623	Fred Rose	Synoptic SARB	Scott Zentz	In Person	06/30/06	06/30/06	09/06/06	Delivered
7.2-1.9	Change number of SYNI vertical flux profile levels from 36 to 5.	623	Fred Rose	Synoptic SARB	Tom Caldwell	Email	03/16/06	03/16/06	08/25/06	Completed